

FORM PTO-1449  
(REV.1-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
430117.413C1EXPRESS MAIL NO.  
EL897871574USINFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)APPLICANTS  
Greg K. Justice et al.FILING DATE  
February 20, 2002

GROUP ART UNIT

1753

10/10/02 U.S. 100-1662 pro 02/22/02

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AK</i>	AA	1,217,643	02/27/17	Schneider	204	271	
1	AB	1,862,663	06/14/32	Curtis	—	—	
	AC	2,468,357	04/26/49	Brown	204	248	
	AD	2,864,750	12/16/58	Hughes, Jr. et al.	204	149	
	AE	3,095,365	06/25/63	Green	204	229	
	AF	3,523,891	08/11/70	Mehl	210	44	
	AG	3,654,119	04/04/72	White et al.	204	228	
	AH	3,728,245	04/17/73	Preis et al.	204	275	
	AI	3,819,504	06/25/74	Bennett	204	289	
	AJ	3,865,710	02/11/75	Phipps	204	228	
	AK	3,925,176	12/09/75	Okert	204	152	
	AL	3,943,044	03/09/76	Fenn, III et al.	204	149	
	AM	4,017,375	04/12/77	Pohto	204	255	
	AN	4,061,556	12/06/77	Reis et al.	204	271	
	AO	4,107,021	08/15/78	Okazaki	204	263	
	AP	4,119,517	10/10/78	Hengst	204	229	
<i>AK</i>	AQ	4,119,520	10/10/78	Paschakarnis et al.	204	276	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
<i>AK</i>	AR 105,641	05/25/17	Great Britain	—	—	
<i>AK</i>	AS 2,150,168	03/30/73	France	—	—	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>AK</i>	AT	The Advanced Water Systems Incorporated, "The Water Technologies", company brochure regarding information on various products to improve water quality, different types of water systems and current technology, September 30, 1993.
EXAMINER	<i>A. Plasage</i>	DATE CONSIDERED 6/20/03

FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 430117.413C1	EXPRESS MAIL NO. EL897871574US
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Asp</i>	AU	4,132,620	01/02/79	Nidola et al.	204	242	
	AV	4,160,716	07/10/79	Wiseman	204	270	
	AW	4,180,445	12/25/79	Bennett et al.	204	129	
	AX	4,312,736	01/26/82	Menth et al.	204	255	
	AY	4,385,973	05/31/83	Reis et al.	204	149	
	AZ	4,419,206	12/06/83	Frame	204	228	
	BA	4,425,216	01/10/84	Neymeyer	204	270	
	BB	4,436,601	03/13/84	Branchick et al.	204	149	
	BC	4,451,341	05/29/84	Miller	204	149	
	BD	4,481,096	11/06/84	Okazaki	204	265	
	BE	4,528,083	07/09/85	LaConti et al.	204	265	
	BF	4,572,775	02/25/86	Paniagua	204	229	
	BG	4,623,436	11/18/86	Umeshara	204	149	
	BH	4,639,303	01/27/87	Staab et al.	204	258	
	BI	4,761,208	08/02/88	Gram et al.	204	95	
	BJ	4,781,805	11/01/88	Dahlgren	204	149	
<i>Asp</i>	BK	4,783,246	11/08/88	Langeland et al.	204	95	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
<i>Asp</i>	BL	WO 87/01690	03/26/87	PCT			
<i>Asp</i>	BM	WO 95/21795	08/17/95	PCT			

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BN

EXAMINER	DATE CONSIDERED
<i>Alphesge</i>	<i>6/29/03</i>